

(EDGEDRAIN CONNECTS TO ROADSIDE) (2)

SEE UNDERDRAIN

INSTALLATION DETAILS

PIPE UNDERDRAIN, UNPERFORATED,

SECTION A - A

6-INCH (SLOPE 2% MIN.)

- PAVEMENT

UNDERDRAIN 6-INCH

6

CURBED EDGEDRAIN 4 ROADWAY SLOPE EDGEDRAIN EDGEDRAIN **PLAN VIEW**

ROADWAY WITH CURBS (EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

1' - 0" MIN

REINFORCED CONC. APRON

ENDWALL FOR UNDERDRAIN, 6-INCH

GENERAL NOTES

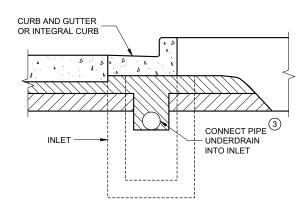
DETAILS OF CONSTRUCTION. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

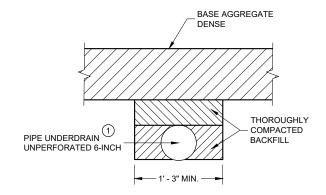
> POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS. ASTM D 3034. SDR 23.5 PVC SEWER PIPE.

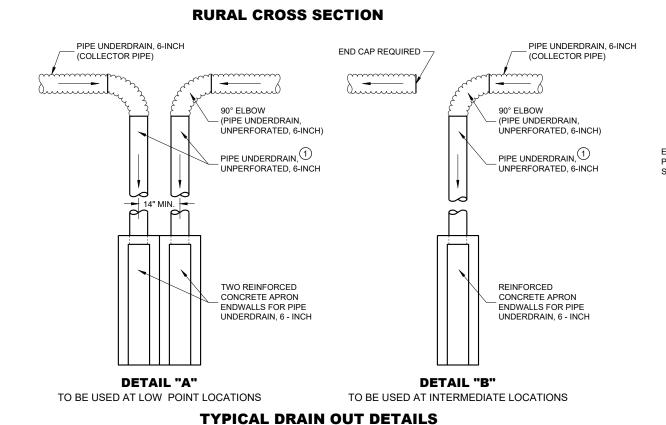
- (2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.
- 3 EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR
- (4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.

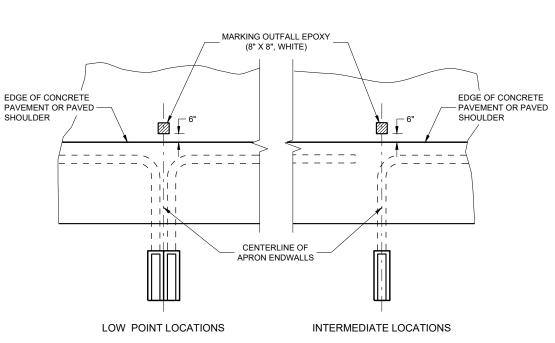


SECTION B - B URBAN CROSS SECTION



SECTION C - C TRENCH FOR OUTFALL PIPE





PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SDD 08D1 (J

0 S **08D** SDD

Version 5 Standard Detail Drawing 8D15 (sheet a) October 26, 2015 Edgedrain Outlet and Outfall Markers

References:

FDM 14-5-5

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
310.0110	Base Aggregate Open-Graded	TON
310.0115	Base Aggregate Open-Graded	CY
612.0106	Pipe Underdrain 6-Inch	LF
612.0206	Pipe Underdrain Unperforated 6-Inch	
612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH
645.0111	Geotextile Type DF Schedule A	SY
646.5520	Marking Outfall Epoxy	EACH

Standardized Special Provisions associated with this drawing:

STSP NUMBER TITLE

646-035 Pavement Marking Outfall

Other SDDs associated with this drawing:

SDD 8F6 Reinforced Concrete Apron Endwall

SDD 8D15 Edgedrains sheet "b"
SDD 8D15 Edgedrains sheet "c"

Design Notes:

Geotextile Type DF Schedule A must be used unless otherwise justified.

Contact Person:

Peter Kemp (608) 246-5393

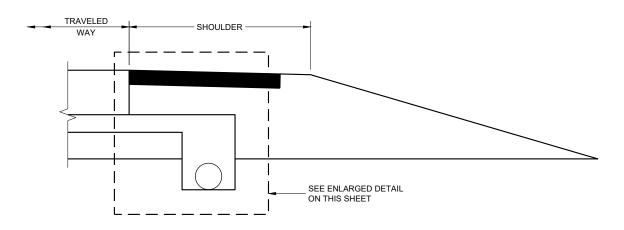
EDGEDRAIN IN URBAN ROADWAY

GENERAL NOTES

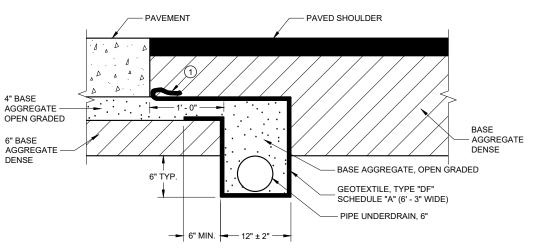
THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

- 1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.
- (2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.

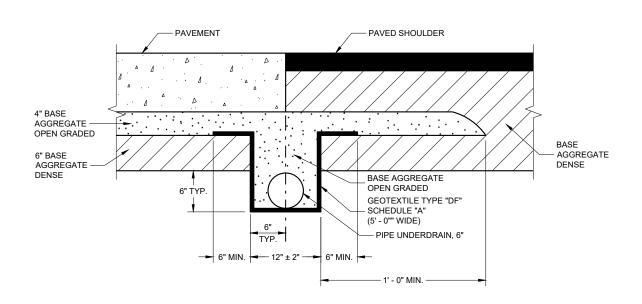


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

EGEDRAIN AND BASE AGGREGATE OPEN GRADED

DEPARTMENT OF TRANSPORTATION

SDD 08D15

05p IJ **SDD 08D1**

STATE OF WISCONSIN

Version 5 Standard Detail Drawing 8D15 (sheet b) October 26, 2015 Edgedrain and Base Aggregate Open Graded

References:

FDM 14-5-5

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
310.0110	Base Aggregate Open-Graded	TON
310.0115	Base Aggregate Open Graded	CY
612.0106	Pipe Underdrain 6-Inch	LF
612.0206	Pipe Underdrain Unperforated 6-Inch	LF
612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH
645.0111	Geotextile Type DF Schedule A	SY

Standardized Special Provisions associated with this drawing:

NONE

Other SDDs associated with this drawing:

SDD 8D15 Edgedrains sheet "a" is required.

Design Notes:

Refer to the <u>FDM 14-5-5</u> for base aggregate open graded guidelines. For computing geotextile Type DF Schedule A quantities for the Engineers Estimate use:

- 6'-3" widths/side for Rural Post Paving Installation.
- 6'-3" widths/side for Urban Paving Installation.
- 5'-0" widths/side for Rural Pre-Paving Installation.

Geotextile Type DF Schedule A must be used unless otherwise justified.

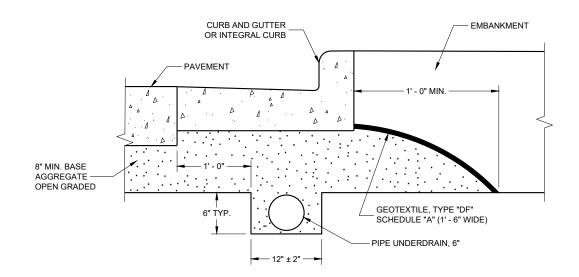
Contact Person:

Peter Kemp (608) 246-5393

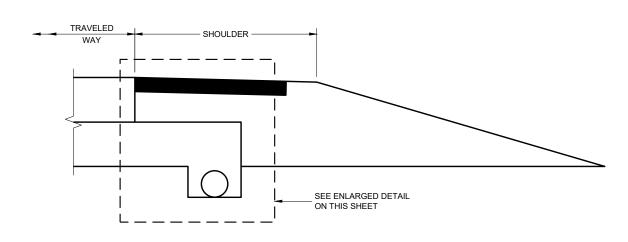
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

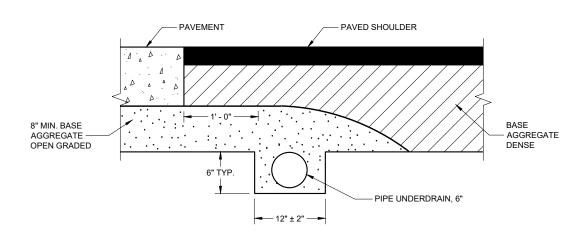
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.



EDGEDRAIN IN URBAN ROADWAY

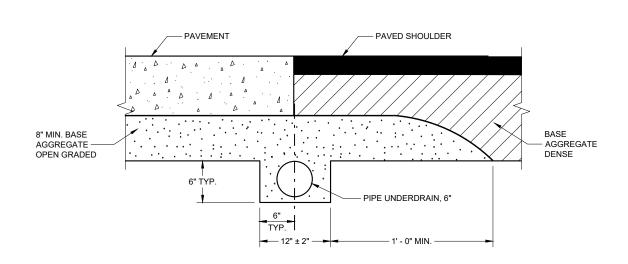


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2015
DATE

/S/ Peter Kemp. P.E.
PAVEMENT SUPERVISOR

SDD 08D15 - 05c

SDD 08D15 -

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Version 5 Standard Detail Drawing 8D15 (sheet c) October 26, 2015 Edgedrain and Base Aggregate Open Graded

References:

FDM 14-5-5

Bid items associated with this drawing:

<u>ITEM</u> <u>NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
310.0110	Base Aggregate Open-Graded	TON
310.0115	Base Aggregate Open-Graded	CY
612.0106	Pipe Underdrain 6-Inch	LF
612.0206	Pipe Underdrain Unperforated 6-Inch	LF
612.0806	Apron Endwalls for Underdrain 6-Inch Reinforced Concrete	EACH
645.0111	Geotextile Type DF Schedule A	SY

Standardized Special Provisions associated with this drawing:

NONE

Other SDDs associated with this drawing:

<u>SDD 8D15</u> Edgedrains sheet "a" is required.

Design Notes:

Refer to the <u>FDM 14-5-5</u> for base aggregate open graded guidelines. This drawing applies when base aggregate open graded is placed directly on the granular subgrade.

For computing geotextile Type DF Schedule A quantities for the Engineers Estimate use:

1'-6" widths/side for Urban Paving Installation

Geotextile Type DF Schedule A must be used unless otherwise justified.

Contact Person:

Peter Kemp (608) 246-5393